

## SEQUENCE LISTING

<110> RONSIN, CHRISTOPHE  
SCOTT, VERONIQUE  
TRIEBEL, FREDERIC

<120> PEPTIDE COMPOUND DERIVED FROM A SHIFTED ORF OF THE ICE  
GENE

<130> 065691-0263

<140> 10/019,219  
<141> 2001-12-28

<150> PCT/FR00/01791  
<151> 2000-06-27

<150> FR 99/08224  
<151> 1999-06-28

<160> 8

<170> PatentIn Ver. 2.1

<210> 1  
<211> 162  
<212> PRT  
<213> Homo sapiens

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Cys Trp Leu Pro Trp Arg Thr Trp Trp Ser Ser Ser Ser Thr Ala  
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Trp Val Ser Trp Ala Ser Ser Ala Leu Glu Thr Ser Thr Gln Pro Ala  
35 40 45

Thr Gly Ala Thr Trp Thr Lys Trp Leu His Tyr Ala Gly Ser Ser Arg  
50 55 60

Ile Ser Pro Thr Leu Glu Ala Thr Leu Thr Val Ser Pro Phe Leu Ala  
65 70 75 80

Ser Leu Arg Val Ala Arg Val Cys Leu Arg Leu Leu Cys Pro Pro Tyr  
85 90 95

Pro Lys Asp Ser Ser Thr Glu Pro Ser Trp Arg Val Ala Trp Pro Ser  
100 105 110

Cys Pro Ala Ser Leu Pro Ala Gln Leu Met Ser Ser Pro Arg Trp Trp  
115 120 125

Pro Thr Cys Leu Pro Val Thr Lys Leu Thr Leu Arg Pro Trp Trp Ala  
130 135 140

Ala Cys Gly Ala Arg Val Lys Arg Arg Phe Leu Gln Leu Thr Ser Leu  
 145 150 155 160

Ser Arg

<210> 2  
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 <213> Homo sapiens

<400> 2  
 Ser Pro Arg Trp Trp Pro Thr Cys Leu  
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<210> 3  
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<400> 3  
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 ctggagacaa gcacgcaacc ggcaactggg gtcacctgga ccaagtggct gcactacgct 180  
 gggtccagca gaatatcgcc cactttggag gcaaccctga ccgtgtcacc atttttggcg 240  
 agtctgcggg tggcacgagt gtgtcttcgc ttgttgcgtc ccccatatcc caaggactct 300  
 tccacggagc catcatggag agtggcgtgg ccctcctgcc cggcctcatt gccagctcag 360  
 ctgatgtcat ctccacgggtg gtggccaacc tgcctgcctg tgaccaagtt gactctgagg 420  
 ccctgggtggg ctgcctgcgg ggcaagagta aagaggagat tcttgcatt aacaagcctt 480  
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<210> 4  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 4  
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<210> 5  
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<220>  
 <223> Description of Artificial Sequence: Primer

<400> 5  
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acc ggc aac tgg ggc tac ctg gac caa gtg gct gca cta cgc tgg gtc	624
Thr Gly Asn Trp Gly Tyr Leu Asp Gln Val Ala Ala Leu Arg Trp Val	
195 200 205	
cag cag aat atc gcc cac ttt gga ggc aac cct gac cgt gtc acc att	672
Gln Gln Asn Ile Ala His Phe Gly Gly Asn Pro Asp Arg Val Thr Ile	
210 215 220	
ttt ggc gag tct gcg ggt ggc acg agt gtg tct tcg ctt gtt gtg tcc	720
Phe Gly Glu Ser Ala Gly Gly Thr Ser Val Ser Ser Leu Val Val Ser	
225 230 235 240	
ccc ata tcc caa gga ctc ttc cac gga gcc atc atg gag agt ggc gtg	768
Pro Ile Ser Gln Gly Leu Phe His Gly Ala Ile Met Glu Ser Gly Val	
245 250 255	
gcc ctc ctg ccc ggc ctc att gcc agc tca gct gat gtc atc tcc acg	816
Ala Leu Leu Pro Gly Leu Ile Ala Ser Ser Ala Asp Val Ile Ser Thr	
260 265 270	
gtg gtg gcc aac ctg tct gcc tgt gac caa gtt gac tct gag gcc ctg	864
Val Val Ala Asn Leu Ser Ala Cys Asp Gln Val Asp Ser Glu Ala Leu	
275 280 285	
gtg ggc tgc ctg cgg ggc aag agt aaa gag gag att ctt gca att aac	912
Val Gly Cys Leu Arg Gly Lys Ser Lys Glu Glu Ile Leu Ala Ile Asn	
290 295 300	
aag cct ttc aag atg atc ccc gga gtg gtg gat ggg gtc ttc ctg ccc	960
Lys Pro Phe Lys Met Ile Pro Gly Val Val Asp Gly Val Phe Leu Pro	
305 310 315 320	
agg cac ccc cag gag ctg ctg gcc tct gcc gac ttt cag cct gtc cct	1008
Arg His Pro Gln Glu Leu Leu Ala Ser Ala Asp Phe Gln Pro Val Pro	
325 330 335	
agc att gtt ggt gtc aac aac aat gaa ttc ggc tgg ctc atc ccc aag	1056
Ser Ile Val Gly Val Asn Asn Glu Phe Gly Trp Leu Ile Pro Lys	
340 345 350	
gtc atg agg atc tat gat acc cag aag gaa atg gac aga gag gcc tcc	1104
Val Met Arg Ile Tyr Asp Thr Gln Lys Glu Met Asp Arg Glu Ala Ser	
355 360 365	
cag gct gct ctg cag aaa atg tta acg ctg ctg atg ttg cct cct aca	1152
Gln Ala Ala Leu Gln Lys Met Leu Thr Leu Leu Met Leu Pro Pro Thr	
370 375 380	
ttt ggt gac ctg ctg agg gag gag tac att ggg gac aat ggg gat ccc	1200
Phe Gly Asp Leu Leu Arg Glu Glu Tyr Ile Gly Asp Asn Gly Asp Pro	
385 390 395 400	
cag acc ctc caa gcg cag ttc cag gag atg atg gcg gac tcc atg ttt	1248
Gln Thr Leu Gln Ala Gln Phe Gln Glu Met Met Ala Asp Ser Met Phe	
405 410 415	

gtg atc cct gca ctc caa gta gca cat ttt cag tgc tcc cgg gcc cct	1296	
Val Ile Pro Ala Leu Gln Val Ala His Phe Gln Cys Ser Arg Ala Pro		
420 425 430		
gtg tac ttc tac gag ttc cag cat cag ccc agc tgg ctc aag aac atc	1344	
Val Tyr Phe Tyr Glu Phe Gln His Gln Pro Ser Trp Leu Lys Asn Ile		
435 440 445		
agg cca ccg cac atg aag gca gac cat ggt gat gag ctt cct ttt gtt	1392	
Arg Pro Pro His Met Lys Ala Asp His Gly Asp Glu Leu Pro Phe Val		
450 455 460		
ttc aga agt ttc ttt ggg ggc aac tac att aaa ttc act gag gaa gag	1440	
Phe Arg Ser Phe Phe Gly Gly Asn Tyr Ile Lys Phe Thr Glu Glu Glu		
465 470 475 480		
gag cag cta agc agg aag atg aag tac tgg gcc aac ttt gcg aga	1488	
Glu Gln Leu Ser Arg Lys Met Met Lys Tyr Trp Ala Asn Phe Ala Arg		
485 490 495		
aat ggg aac ccc aat ggc gag ggt ctg cca cac tgg ccg ctg ttc gac	1536	
Asn Gly Asn Pro Asn Gly Glu Gly Leu Pro His Trp Pro Leu Phe Asp		
500 505 510		
cag gag gag caa tac ctg cag ctg aac cta cag cct gcg gtg ggc cgg	1584	
Gln Glu Gln Tyr Leu Gln Leu Asn Leu Gln Pro Ala Val Gly Arg		
515 520 525		
gct ctg aag gcc cac agg ctc cag ttc tgg aag aag gcg ctg ccc caa	1632	
Ala Leu Lys Ala His Arg Leu Gln Phe Trp Lys Lys Ala Leu Pro Gln		
530 535 540		
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Lys Ile Gln Glu Leu Glu Pro Glu Glu Arg His Thr Glu Leu		
545 550 555		
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<213> Homo sapiens		
<400> 7		
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20 25 30		
Ile Arg Thr Thr His Thr Gly Gln Val Leu Gly Ser Leu Val His Val		
35 40 45		
Lys Gly Ala Asn Ala Gly Val Gln Thr Phe Leu Gly Ile Pro Phe Ala		
50 55 60		
Lys Pro Pro Leu Gly Pro Leu Arg Phe Ala Pro Pro Glu Pro Pro Glu		
65 70 75 80		

Ser Trp Ser Gly Val Arg Asp Gly Thr Thr His Pro Ala Met Cys Leu  
 85 90 95

Gln Asp Leu Thr Ala Val Glu Ser Glu Phe Leu Ser Gln Phe Asn Met  
 100 105 110

Thr Phe Pro Ser Asp Ser Met Ser Glu Asp Cys Leu Tyr Leu Ser Ile  
 115 120 125

Tyr Thr Pro Ala His Ser His Glu Gly Ser Asn Leu Pro Val Met Val  
 130 135 140

Trp Ile His Gly Gly Ala Leu Val Phe Gly Met Ala Ser Leu Tyr Asp  
 145 150 155 160

Gly Ser Met Leu Ala Ala Leu Glu Asn Val Val Val Val Ile Ile Gln  
 165 170 175

Tyr Arg Leu Gly Val Leu Gly Phe Phe Ser Thr Gly Asp Lys His Ala  
 180 185 190

Thr Gly Asn Trp Gly Tyr Leu Asp Gln Val Ala Ala Leu Arg Trp Val  
 195 200 205

Gln Gln Asn Ile Ala His Phe Gly Gly Asn Pro Asp Arg Val Thr Ile  
 210 215 220

Phe Gly Glu Ser Ala Gly Gly Thr Ser Val Ser Ser Leu Val Val Ser  
 225 230 235 240

Pro Ile Ser Gln Gly Leu Phe His Gly Ala Ile Met Glu Ser Gly Val  
 245 250 255

Ala Leu Leu Pro Gly Leu Ile Ala Ser Ser Ala Asp Val Ile Ser Thr  
 260 265 270

Val Val Ala Asn Leu Ser Ala Cys Asp Gln Val Asp Ser Glu Ala Leu  
 275 280 285

Val Gly Cys Leu Arg Gly Lys Ser Lys Glu Glu Ile Leu Ala Ile Asn  
 290 295 300

Lys Pro Phe Lys Met Ile Pro Gly Val Val Asp Gly Val Phe Leu Pro  
 305 310 315 320

Arg His Pro Gln Glu Leu Leu Ala Ser Ala Asp Phe Gln Pro Val Pro  
 325 330 335

Ser Ile Val Gly Val Asn Asn Asn Glu Phe Gly Trp Leu Ile Pro Lys  
 340 345 350

Val Met Arg Ile Tyr Asp Thr Gln Lys Glu Met Asp Arg Glu Ala Ser  
 355 360 365

Gln Ala Ala Leu Gln Lys Met Leu Thr Leu Leu Met Leu Pro Pro Thr  
 370 375 380

Phe Gly Asp Leu Leu Arg Glu Glu Tyr Ile Gly Asp Asn Gly Asp Pro  
 385 390 395 400

Gln Thr Leu Gln Ala Gln Phe Gln Glu Met Met Ala Asp Ser Met Phe  
 405 410 415

Val Ile Pro Ala Leu Gln Val Ala His Phe Gln Cys Ser Arg Ala Pro  
 420 425 430

Val Tyr Phe Tyr Glu Phe Gln His Gln Pro Ser Trp Leu Lys Asn Ile  
 435 440 445

Arg Pro Pro His Met Lys Ala Asp His Gly Asp Glu Leu Pro Phe Val  
 450 455 460

Phe Arg Ser Phe Phe Gly Gly Asn Tyr Ile Lys Phe Thr Glu Glu Glu  
 465 470 475 480

Glu Gln Leu Ser Arg Lys Met Met Lys Tyr Trp Ala Asn Phe Ala Arg  
 485 490 495

Asn Gly Asn Pro Asn Gly Glu Gly Leu Pro His Trp Pro Leu Phe Asp  
 500 505 510

Gln Glu Glu Gln Tyr Leu Gln Leu Asn Leu Gln Pro Ala Val Gly Arg  
 515 520 525

Ala Leu Lys Ala His Arg Leu Gln Phe Trp Lys Lys Ala Leu Pro Gln  
 530 535 540

Lys Ile Gln Glu Leu Glu Glu Pro Glu Glu Arg His Thr Glu Leu  
 545 550 555

<210> 8

<211> 166

<212> PRT

<213> Homo sapiens

<400> 8

Trp Cys Gly Ser Thr Val Val Arg Leu Phe Leu Ala Trp Leu Pro Cys  
 1 5 10 15

Met Met Val Pro Cys Trp Leu Pro Trp Arg Thr Trp Trp Trp Ser Ser  
 20 25 30

Ser Ser Thr Ala Trp Val Ser Trp Ala Ser Ser Ala Leu Glu Thr Ser  
 35 40 45

Thr Gln Pro Ala Thr Gly Ala Thr Trp Thr Lys Trp Leu His Tyr Ala  
 50 55 60

Gly Ser Ser Arg Ile Ser Pro Thr Leu Glu Ala Thr Leu Thr Val Ser  
 65 70 75 80

Pro Phe Leu Ala Ser Leu Arg Val Ala Arg Val Cys Leu Arg Leu Leu  
 85 90 95

Cys Pro Pro Tyr Pro Lys Asp Ser Ser Thr Glu Pro Ser Trp Arg Val  
100 105 110

Ala Trp Pro Ser Cys Pro Ala Ser Leu Pro Ala Gln Leu Met Ser Ser  
115 120 125

Pro Arg Trp Trp Pro Thr Cys Leu Pro Val Thr Lys Leu Thr Leu Arg  
130 135 140

Pro Trp Trp Ala Ala Cys Gly Ala Arg Val Lys Arg Arg Phe Leu Gln  
145 150 155 160

Leu Thr Ser Leu Ser Arg  
165